| <br> | Claims |  |
|------|--------|--|
|      |        |  |

| Application No. | Applicant(s)       |  |
|-----------------|--------------------|--|
| 10/643,954      | HAYASHIBARA ET AL. |  |
| Examiner        | Art Unit           |  |

| / | Rejected | - | - | (Through numeral)<br>Cancelled |
|---|----------|---|---|--------------------------------|
| = | Allowed  | ÷ |   | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

Kiet T. Nguyen

| Α | Appeal   |
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| 0 | Objected |

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| Cl    | aim      | Date    |  |        |   |        |          | Cla | aim_     |   |       |          | Date   | e           |         |        | ]::::              | CI     | aim    | Date  |          |          |        |   |         |               |                      |   |
|-------|----------|---------|--|--------|---|--------|----------|-----|----------|---|-------|----------|--------|-------------|---------|--------|--------------------|--------|--------|-------|----------|----------|--------|---|---------|---------------|----------------------|---|
| Final | Original | 4/18/04 |  |        |   |        |          |     |          | 3 | Final | Original |        |             |         |        |                    |        |        |       | Final    | Original |        |   |         |               |                      |   |
|       | 1        | =       |  | $\neg$ |   |        | <u> </u> | _   | $\vdash$ | _ |       | 51       | П      | 十           |         |        |                    | $\Box$ | $\top$ | 1     |          | 101      |        |   | 1       |               |                      | _ |
|       | 2        | =       |  |        |   |        |          |     | $\Box$   |   |       | 52       | П      | _           |         |        |                    |        |        | 1     |          | 102      |        |   |         |               |                      |   |
|       | 3        | ٧       |  |        |   |        |          |     | П        |   |       | 53       |        |             |         |        |                    |        |        | ] ::: |          | 103      |        |   |         |               |                      |   |
|       | 4        | =       |  |        |   |        |          |     |          |   |       | 54       |        |             |         |        |                    |        |        | 7     |          | 104      |        |   |         |               |                      |   |
|       | 5        | 0       |  |        |   |        |          |     |          |   |       | 55       |        |             |         |        |                    |        |        | 7     |          | 105      |        |   |         |               | $\Box$               |   |
|       | 6        | ٥       |  |        |   |        | Г        |     |          |   |       | 56       |        |             | T       | T      |                    |        |        | 7     |          | 106      |        | 7 |         | T             |                      |   |
|       | 7        | 0       |  |        |   |        |          |     |          |   |       | 57       |        |             |         |        |                    | П      |        | 7     |          | 107      |        |   |         |               |                      |   |
|       | 8        | =       |  |        |   |        | Г        |     | П        |   |       | 58       |        |             |         |        |                    |        |        | 1     |          | 108      |        |   |         |               |                      |   |
|       | 9        | Ξ       |  |        |   |        |          |     |          |   |       | 59       |        |             |         |        |                    |        |        | 7     |          | 109      |        |   |         |               |                      |   |
|       | 10       | =       |  |        |   |        |          |     |          |   |       | 60       |        |             |         |        |                    |        |        |       |          | 110      |        |   |         |               |                      |   |
|       | 11       | =       |  |        |   |        |          |     | П        |   |       | 61       |        |             |         |        |                    |        |        |       |          | 111      |        |   |         |               |                      |   |
|       | 12       | =       |  |        |   |        | Г        | Г   |          |   |       | 62       | П      |             |         |        |                    |        |        |       |          | 112      |        |   |         | $\Box$        |                      |   |
|       | 13       | =       |  |        |   |        |          |     |          |   |       | 63       |        |             |         |        |                    |        |        |       |          | 113      |        |   |         |               |                      |   |
|       | 14       | v       |  |        |   |        |          |     | П        |   |       | 64       |        |             |         |        |                    |        | $\neg$ | 7     |          | 114      |        |   |         |               |                      |   |
|       | 15       | V       |  |        | _ |        |          |     |          |   |       | 65       |        | $\neg$      |         |        |                    |        |        | 7     |          | 115      |        |   |         |               |                      |   |
|       | 16       | 0       |  |        |   |        |          |     |          |   |       | 66       | П      |             |         |        |                    |        |        | 1     |          | 116      |        |   |         |               |                      |   |
|       | 17       | 0       |  |        |   | _      |          |     |          |   |       | 67       |        |             |         |        |                    |        |        | 1:::  |          | 117      |        |   |         |               |                      |   |
|       | 18       | ٥       |  |        |   | _      | T        |     | П        |   |       | 68       |        |             |         |        |                    |        |        | 7     |          | 118      |        |   |         |               | $\Box$               |   |
|       | 19       | ٥       |  |        |   |        |          | Ì   |          |   |       | 69       | П      |             |         | Т      |                    |        |        |       |          | 119      |        |   |         | $\top$        |                      |   |
|       | 20       | ٥       |  |        |   |        |          |     | П        |   |       | 70       |        |             |         |        |                    |        |        |       |          | 120      |        |   |         | Т             |                      |   |
|       | 21       |         |  |        |   |        | Г        |     | П        |   |       | 71       |        |             |         | Т      | Г                  |        |        | 7     |          | 121      |        | T |         | $\neg$        |                      |   |
|       | 22       |         |  |        |   |        | 1        |     |          |   |       | 72       | $\Box$ |             |         | T      |                    |        |        |       |          | 122      |        | Ì |         | T             | $\top$               |   |
|       | 23       |         |  |        |   |        |          |     |          |   |       | 73       |        |             |         |        |                    |        |        |       |          | 123      |        |   |         | $\neg$        |                      |   |
|       | 24       |         |  |        |   |        |          |     |          |   |       | 74       |        |             | 丁       |        |                    |        |        | 7     |          | 124      |        | Ī |         | $\Box$        |                      |   |
|       | 25       |         |  |        |   |        |          |     |          |   |       | 75       |        |             |         |        |                    |        |        | 7     |          | 125      |        | T |         | $\neg$        |                      |   |
|       | 26       |         |  |        | _ |        | Г        | Г   | $\Box$   |   |       | 76       |        |             | $\top$  |        | Γ                  |        | $\neg$ |       |          | 126      | П      | T |         | $\neg$        |                      |   |
|       | 27       |         |  |        |   |        | T        | -   | П        |   |       | 77       |        |             | $\top$  | 1      |                    |        |        |       |          | 127      |        |   |         | Т             |                      |   |
|       | 28       |         |  |        |   |        |          |     |          |   |       | 78       |        |             |         | 1      |                    |        |        |       |          | 128      | П      | T |         | $\exists$     |                      |   |
|       | 29       |         |  |        |   |        |          |     | П        |   |       | 79       |        |             |         |        |                    | П      |        | 7     |          | 129      |        |   |         | $\neg$        |                      | Т |
|       | 30       |         |  |        |   |        |          |     | П        |   |       | 80       |        |             | $\top$  |        |                    | П      |        | 7:::: |          | 130      |        |   |         | $\neg$        |                      |   |
|       | 31       |         |  |        |   |        |          |     |          |   |       | 81       |        |             | 7       |        |                    |        |        | 7     |          | 131      |        |   |         | П             |                      |   |
|       | 32       |         |  |        |   |        |          |     | $\Box$   |   |       | 82       |        |             |         |        |                    | П      |        | 7:::: |          | 132      |        |   |         | T             | T                    | - |
|       | 33       |         |  |        |   |        | Ī        |     | П        |   |       | 83       | П      | $\neg$      |         |        | П                  | П      |        |       |          | 133      |        | 一 |         | T             |                      | _ |
|       | 34       |         |  |        |   | $\Box$ |          | Γ   | $\Box$   |   |       | 84       |        | $\neg$      |         | Γ      |                    | $\Box$ |        |       |          | 134      |        |   | T       | J             |                      | _ |
|       | 35       |         |  |        |   |        |          |     |          |   |       | 85       |        |             |         |        |                    |        |        |       |          | 135      |        |   |         |               |                      | _ |
|       | 36       |         |  |        |   |        |          |     |          |   |       | 86       |        |             |         |        |                    |        |        | ]     |          | 136      |        |   |         | $\Box$        | $\perp$              | _ |
|       | 37       |         |  |        |   |        | Γ        |     |          |   |       | 87       |        |             |         |        |                    |        |        | ]     |          | 137      |        |   | $\Box$  | $\perp$       |                      |   |
|       | 38       |         |  |        |   |        | Г        |     |          |   |       | 88       | П      |             | 1       |        |                    |        |        |       |          | 138      |        |   |         |               |                      |   |
|       | 39       |         |  |        |   |        |          |     |          |   |       | 89       |        | $\Box \Box$ |         | L      | L                  |        |        | ]     |          | 139      |        | [ | $\Box$  | $_{ m I}$     | $\perp$              | _ |
|       | 40       |         |  |        |   |        | Γ        | Γ   |          |   |       | 90       | П      |             |         |        |                    |        |        |       |          | 140      |        |   |         |               |                      |   |
|       | 41       |         |  |        |   |        |          |     |          |   |       | 91       | Ш      |             |         |        | ĹĨ                 | $\Box$ |        | _     |          | 141      | $\Box$ | [ |         |               |                      |   |
|       | 42       |         |  |        |   |        |          |     |          |   |       | 92       |        |             | $\perp$ |        | $\Box$             |        |        | ]     |          | 142      |        |   |         | $\perp$       | $oldsymbol{\bot}$    | _ |
|       | 43       | L       |  |        |   | Ĺ      | L        |     | $\Box$   |   |       | 93       | $\Box$ |             |         |        |                    |        |        | _     | L        | 143      | Ш      |   |         | $\perp$       | $\bot$               |   |
|       | 44       |         |  |        |   | 匚      | L        | L   | $\Box$   |   |       | 94       | $\Box$ |             |         |        | $oxedsymbol{oxed}$ | Ш      |        |       |          | 144      | Ш      |   |         | $\perp$       | _ _                  | _ |
|       | 45       |         |  |        |   |        | L        | L   | $\Box$   |   |       | 95       |        |             |         |        |                    |        |        |       |          | 145      | Ш      | ] | $\perp$ |               | $\bot$               |   |
|       | 46       | $L^{-}$ |  |        |   | L      | L        | L   | $\Box$   |   |       | 96       | Ш      |             |         | L      |                    |        |        |       | <u> </u> | 146      | Ш      | ] |         | ightharpoonup |                      |   |
|       | 47       |         |  |        |   |        |          |     |          |   |       | 97       | $\Box$ |             |         | L      |                    |        |        |       |          | 147      | Ш      |   |         |               |                      |   |
|       | 48       |         |  |        |   |        |          |     |          |   |       | 98       |        |             |         | $\Box$ |                    |        |        | _     | <u></u>  | 148      | Ш      |   | $\bot$  |               | L                    |   |
|       | 49       |         |  |        |   |        |          |     |          |   |       | 99       |        | $\Box \Box$ |         |        |                    | Ш      |        | 1     | L        | 149      | Ш      |   | [       |               | $\perp \!\!\! \perp$ |   |
|       | 50       | L       |  |        |   |        |          |     |          |   | <br>L | 100      |        |             |         | 1      |                    |        |        |       | <u> </u> | 150      |        |   |         |               | L_                   |   |